Claims

[c1]   An Ethernet switch comprising:

a plurality of ports, said switch configured to be operable within a temperature range of at least between approximately 0 ° C and approximately 60 ° C, said further configured to be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%, said switch further configured to support at least one of a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c2]   A switch in accordance with Claim 1 further configured to be stackable with a second switch.

[c3]   A switch in accordance with Claim 1 further configured to transmit data at a speed of at least one Gigabyte per second.

[c4]   A switch in accordance with Claim 1 further configured to operate substantially at wire speed.

[c5]   A switch in accordance with Claim 1 further configured to be operable under an extended vibration of at least 2g (gravity).

[c6]   A switch in accordance with Claim 5 further configured to be operable under a shock vibration of at least 4g.

[c7]   A switch in accordance with Claim 1 further configured to support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), a Simple Network Management Protocol (SNMP), and a Spanning Tree.

[c8]   A switch in accordance with Claim 7 further configured to:

be stackable with a second switch;

be operable under an extended vibration of at least 2g (gravity); and

be operable under a shock vibration of at least 4g.

[c9]   A switch in accordance with Claim 8 further configured to operate substantially at wire speed.

[c10]

A switch in accordance with Claim 9 further configured to transmit data at a speed

of at least one Gigabyte per second.

[c11]   An Ethernet switch comprising:

a plurality of ports, said switch configured to:

support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree;

transmit data at a speed of at least one Gigabyte per second;

be operable within a temperature range of at least between approximately 0 ° C and approximately 60 ° C;

be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%;

be stackable with a second switch; and

be operable under an extended vibration of at least 2g (gravity).

[c12]   An Ethernet network comprising:

a first switch; and

a plurality of user devices operationally coupled to said first switch such that said first switch transfers data from at least one of said devices to a different one of said devices, said first switch configured to:

be operable within a temperature range of at least between approximately 0 ° C and approximately 60 ° C;

be operable within a non-condensing humidity range of at least between approximately 10% and approximately 95%; and

support at least one of a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c13]   A network in accordance with Claim 12 further comprising a second switch operationally coupled to said first switch, said second switch and said first switch configured to cooperatively operate as one switch.

[c14]   A network in accordance with Claim 12 wherein said first switch further configured to transmit data at a speed of at least one Gigabyte per second.

[c15]   A network in accordance with Claim 12 wherein said first switch further configured to be operable under an extended vibration of at least 2g (gravity).

[c16]   A network in accordance with Claim 15 wherein said first switch further configured to be operable under a shock vibration of at least 4g.

[c17]   A network in accordance with Claim 12 wherein said first switch further configured to support a Virtual Local Area Network (VLAN), a Quality of Service (QoS), a Remote Monitoring (RMON), and a Spanning Tree.

[c18]   A network in accordance with Claim 17 wherein said first switch further configured to:
be stackable with a second switch;
be operable under an extended vibration of at least 2g (gravity); and
be operable under a shock vibration of at least 4g.

[c19]   A network in accordance with Claim 18 wherein said first switch further configured to operate substantially at wire speed.

[c20]   A network in accordance with Claim 19 wherein said first switch further configured to transmit data at a speed of at least one Gigabyte per second.